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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known

Application No.	10/646,277
Filing Date	08/22/2003
First Named Inventor	Craig A. Brice
Group Art Unit	Unknown 125
Examiner Name	Unknown I. C. in
Attorney Docket No.	TA-00578

Sheet 1 of 2

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document	Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code (if known)			
q. ft x	AA	4,661,172	Skinner, et al.	04/28/87	
	AB	4,923,532	Zedalis, et al.	05/08/90	
	AC	5,030,517	Gilman, et al.	07/09/91	
	AD	5,882,449	Waldron, et al.	03/16/99	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office Number Kind Code (if known)				

OTHER PRIOR ART

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.
q. ft x	BA	"Direct Laser Dposition of Alloys from Elemental Powder Blends", Scripta Materialia (2001)
	BB	"Characterization of Laser-Deposited TiAl Alloys", Scripta Materialia (2001)
	BC	"Laser-Deposited Advanced Materials", Journal of Advanced Materials (2001)

2/22	BD	"In Situ Deposition of Ti-TiB Composites Using Lens", Metal Powder Deposition for Rapid Manufacturing, Proceedings of the International Conference on Metal Powder Deposition for Rapid Manufacturing, San Antonio, TX, April 8-10, 2002
1	BE	"Characterization of Laser-Deposited TiAl Alloys", Materials Research Society Symposium Proceedings (1999)
1	BF	"Précis de Construction Mécanique. Tome 1: Dessin, Conception et Normalisation", 1978 Construction Mecanique

P. H. Xui

7/5/05

8/03

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FORM 1449A/PTO Patent and Trademark Office
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		Number	Kind Code (if known)			
9.10x	AA	5,597,529		Tack	01/28/97	
↓	AB	5,624,632		Baumann, et al.	04/29/97	

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OTHER PRIOR ART

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.
9.10x	BA	<i>Custom Aluminum Alloy for Direct Deposition Techniques</i> by Craig A. Brice, March 7, 2001, Lockheed Martin Proprietary Information
↓	BB	<i>Weldability of Li-Bearing Aluminium Alloys</i> by A. Kostivas and J.C. Lippold, International Materials Reviews 1999 Vol. 44, No. 6
↓	BC	<i>Weldable Aluminium Alloys With Scandium (Review)</i> by A.Ya. Ishchenko and T.M. Labur, The Paton Welding Journal 1998 10 (8) 389-392

f. lex	BD	<i>Examining the Efficiency of Hardening the Weld Metal With Scandium in Welding 1420 Aluminium-Lithium Alloy</i> by T.M. Labur, The Paton Welding Journal 1996 8 (7) 391-393
↓	BE	<i>Prospects for Using Welding in Construction of New Generation Aircraft</i> by B.E. Paton, A.Ya. Ishchenko and K.A. Yushchenko, A.G. Bratukhin, A.G. Vovnyanko, E.T. Vasilevskii and A.G. Molyar, The Paton Welding Journal 1996 8 (6) 343-344
↓	BF	<i>Welding Technology and Properties of Welded Joints in Aluminium-Lithium Alloys (Review)</i> by A. Ya. Ishchenko and T.M. Labur, The Paton Welding Journal 1998 10 (7) 360-364
↓	BG	<i>Scandium in Aluminum Alloys</i> by Lawrence S. Kramer and William T. Tack, Micky T. Fernandes, Advanced Materials & Processes 10/97
↓	BH	<i>Mechanical Properties and Microstructures of Al-Mg-Sc Alloys</i> by Ralph R. Sawtell and Craig I. Jensen, Metallurgical Transactions A, Volume 21A, February 1990 - 421
↓	BI	<i>The Effect of Small Additions of Scandium on the Properties of Aluminium Alloys</i> by B.A. Parker, Z.F. Zhou, P. Nolle, Journal of Materials Science 30 (1995) 452-458, Chapman & Hall 1995, 0022-2461
Examiner Signature		
	Date Considered	7/5/05